

Remarks

In the final Office action mailed December 7, 2006, claims 8-14 were rejected under 35 U.S.C. § 101 on grounds that the claimed invention is directed to non-statutory subject matter. The Office action stated: "If the claim as a whole is reasonably interpreted as just solving a mathematical algorithm rather than reciting a practical application of the algorithm which produces a useful, concrete and tangible result, then it would be non-statutory. It would appear to be concrete and tangible in the context of the claim; however, the useful result appears lacking."

Applicants amend the preamble of claim 8, to recite "a method of operating a parallel multiplier hardware architecture". The claim amendment is supported by the specification such as the description of the multiplier operation from page 10, line 10, through page 12, line 10. Thus, the multiplication of operands to obtain two types of products in parallel (namely, polynomial over GF(2) and natural) is placed within the concrete, tangible and useful context of hardware operation for the specified useful applications. Accordingly, Applicants believe the amended claims meet all the stated requirements for statutory subject matter.

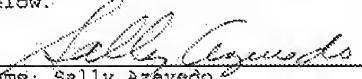
Entry of the amendment is requested. The amendment does not necessitate new searching since the sole rejection is under 35 U.S.C. § 101 (non-statutory subject matter), and not based on prior art.

Conclusion

Applicants request reconsideration of the rejected claims in view of the amendments and remarks made herein. A Notice of Allowance is earnestly solicited.

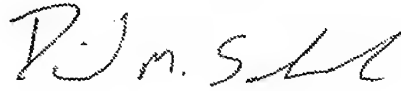
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I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being transmitted via the Office electronic filing system in accordance with § 1.6(a)(4) on the date shown below.

Signed: 
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Respectfully submitted,



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